

In the Claims

1. (currently amended): A tilt mechanism for an umbrella comprising:  
a first tubular member for securement to a first section of an umbrella pole;  
a second tubular member for securement to a second section of an umbrella pole;  
a catch mounted in one of said members and projecting into the other of said members, said catch having a plurality of recesses at an end projecting into said other tubular member; and  
a pin mounted in said other of said tubular members transversely of and in one of said recesses of said catch to lock said tubular members relative to each other, at least one of said pin and said catch being movable coaxially relative to each other to release said pin from a selected one of said recesses.

2. (cancelled):

*Small* 3. (currently amended): A tilt mechanism as set forth in claim 2 1 which further comprises spring means in said other tubular member for biasing said pin towards said catch.

*Small* 4. (previously amended): A tilt mechanism as set forth in claim 3 wherein said spring means includes a coil spring abutting said pin and a plate secured in said other of said tubular members and abutting said coil spring.

5. (currently amended): A tilt mechanism ~~as set forth in claim 1~~ for an umbrella comprising

*Small*  
a first tubular member for securement to a first section of an umbrella pole;

a second tubular member for securement to a second section of an umbrella

pole;

a catch mounted in one of said members and projecting into the other of said members, said catch having a plurality of recesses at an end projecting into said other tubular member; and

*X*  
a pin slidably mounted in said other of said tubular members transversely of and in one of said recesses of said catch to lock said tubular members relative to each other, wherein said pin is slidably mounted in said other of said tubular members to move being movable away from said catch to allow said other tubular member to tilt relative to said one tubular member.

*B3 G/L*  
*?*  
6. (currently amended): A tilt mechanism as set forth in claim 4 5 wherein said end of said catch is spaced concentrically from second tubular member with said tubular members in alignment with each other and is in abutment with said second tubular member in a terminal tilted position of said tubular members relative to each other.

*X*  
7. (original): A tilt mechanism as set forth in claim 6 wherein said tubular members have contoured interfitted end surfaces to define a smooth cylindrical contour therebetween with said tubular members in alignment with each other.

*?*  
8. (currently amended): A tilt mechanism as set forth in claim 4 5 wherein said other of said tubular members has a pair of oppositely disposed elongated slots and said pin projects through said slots for grasping thereof.

9. (currently amended): A tilt mechanism for an umbrella comprising  
a first tubular member for securement to a first section of an umbrella pole;

a second tubular member for securement to a second section of an umbrella pole;

a catch fixedly mounted in one of said members along a longitudinal axis and having a stem projecting into and pivotally secured to the other of said members to allow said members to pivot relative to each other, said stem having a plurality of recesses at an end thereof; and

*Small*  
a pin mounted in said other of said tubular members transversely of a longitudinal axis of said other of said tubular members and in one of said recesses of said catch to lock said tubular members relative to each other, at least one of said pin and said catch being movable coaxially relative to each other to release said pin from a selected one of said recesses.

*B3*  
10. (cancelled):

*102*  
11. (currently amended): A tilt mechanism as set forth in claim 40 9 which further comprises spring means in said other tubular member for biasing said pin towards said catch.

*103*  
12. (original): A tilt mechanism as set forth in claim 11 wherein said spring means includes a coil spring abutting said pin and a plate secured in said other of said tubular members and abutting said coil spring.

*102*  
13. (original): A tilt mechanism as set forth in claim 9 wherein said pin is slidably mounted in said other of said tubular members to move away from said catch to allow said other tubular member to tilt relative to said one tubular member.

*X*  
14. (original): A tilt mechanism as set forth in claim 13 wherein said pin has a rounded head at each end projecting from said other tubular member for manual contact thereof.

107 15. (currently amended): A tilt mechanism for an umbrella comprising  
a first tubular member for securement to an upper section of an umbrella pole;  
a second tubular member for securement to a lower section of an umbrella pole;  
a catch fixedly mounted in said first member along a longitudinal axis and having  
a stem projecting into said second member, said stem having a plurality of recesses at  
a lower end thereof;

a rivet pivotally securing said stem in said second member to allow said  
members to pivot relative to each other; and

B3 107 a pin mounted in said second member transversely of a longitudinal axis of said  
second tubular member and in one of said recesses of said catch to lock said tubular  
members relative to each other- and

spring means coaxially mounted in said second tubular member for biasing said  
pin towards said catch and into a selected one of said recesses.

16. (cancelled):

✓ 17. (currently amended): A tilt mechanism as set forth in claim 46 15 wherein  
said spring means includes a coil spring abutting said pin and a plate secured in said  
second member and abutting said coil spring.

+ 18. (original): A tilt mechanism as set forth in claim 17 wherein said plate is  
frictionally secured within and transversely of said second member.

107 19. (original): A tilt mechanism as set forth in claim 15 wherein one of said  
recesses is disposed centrally of said stem and a pair of recesses is disposed to  
opposite sides of said centrally disposed recess.

107 20. (original): A tilt mechanism as set forth in claim 15 wherein said first member  
has a bore at an upper end to receive an upper wood section of a pole therein and said

second member has a bore at a lower end to receive a lower wood section of a pole therein.

21. (original): A tilt mechanism as set forth in claim 15 wherein said first member has a reduced diameter portion at an upper end to receive an upper metal section of a pole thereon and said second member has a reduced diameter portion at a lower end to receive a lower metal section of a pole thereon.

22. (original): A tilt mechanism as set forth in claim 15 wherein said stem is spaced concentrically from second tubular member with said tubular members in alignment with each other and is in abutment with said second tubular member in a terminal tilted position of said tubular members relative to each other.

B3 107  
23. (original): A tilt mechanism as set forth in claim 22 wherein said tubular members have contoured interfitted end surfaces to define a smooth cylindrical contour therebetween with said tubular members in alignment with each other.

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24. (original): A tilt mechanism as set forth in claim 15 wherein said second tubular member has a pair of oppositely disposed elongated slots and said pin projects through said slots for grasping thereof.

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